

ON GAMMA PRODUCT OF HESITANCY FUZZY GRAPHS AND INTUITIONISTIC HESITANCY FUZZY GRAPHS

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ABSTRACT. The degree of hesitancy of a vertex in a hesitancy fuzzy graph (HFG) depends on the degree of membership (MS) and non-membership (NMS) of the vertex. But, in intuitionistic hesitancy fuzzy graph (IHFG), the degree of hesitancy of a vertex is independent of its degree of MS and NMS. We introduce the idea of γ -product of a pair of HFGs and IHFGs and prove certain results based on this product.

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